

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033524.D
 Acq On : 31 Jul 2019 14:33
 Operator : JC/SP
 Sample : K4103-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9E4

Quant Time: Aug 01 08:32:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 07:20:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	306149	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	300976	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	140546	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	110561	49.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.34%
7) Chloroethane-d5	1.67	69	110179	57.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.38%
11) 1,1-Dichloroethene-d2	2.26	63	156977	38.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.72%
21) 2-Butanone-d5	4.16	46	183644	124.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.57%
24) Chloroform-d	4.62	84	188601	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
26) 1,2-Dichloroethane-d4	5.29	65	128705	54.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.94%
32) Benzene-d6	5.32	84	398932	53.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.94%
36) 1,2-Dichloropropane-d6	6.31	67	125986	53.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.74%
41) Toluene-d8	7.55	98	362438	51.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.68%
43) trans-1,3-Dichloropropene-	7.83	79	59091	50.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.86%
47) 2-Hexanone-d5	8.30	63	122962	110.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.73%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	193107	53.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.10%
64) 1,2-Dichlorobenzene-d4	11.85	152	140839	54.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.44%

Target Compounds

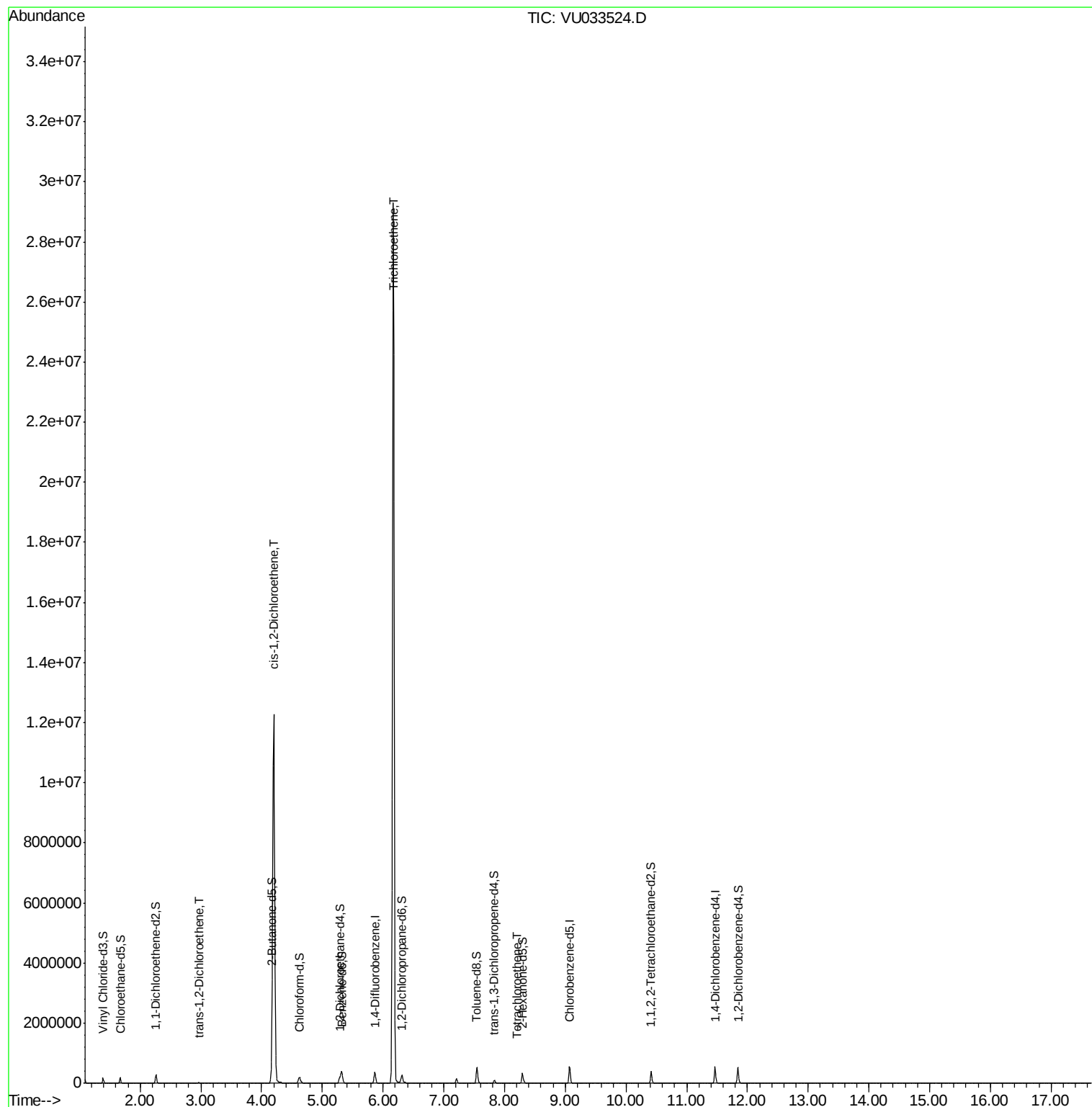
					Ovalue
17) trans-1,2-Dichloroethene	2.97	96	6475	3.117 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	6677781	2864.242 ug/L	99
34) Trichloroethene	6.17	95	9675789	4224.569 ug/L	96
46) Tetrachloroethene	8.21	164	931	0.498 ug/L	91

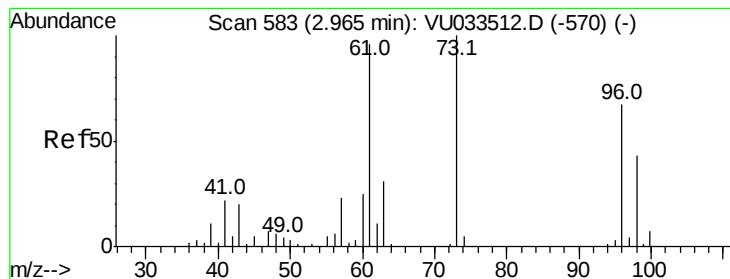
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

trans-1,2-Dichloroethene

Concen: 3.117 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

Instrument :

MSVOA_U

ClientSampleId :

DB9E4

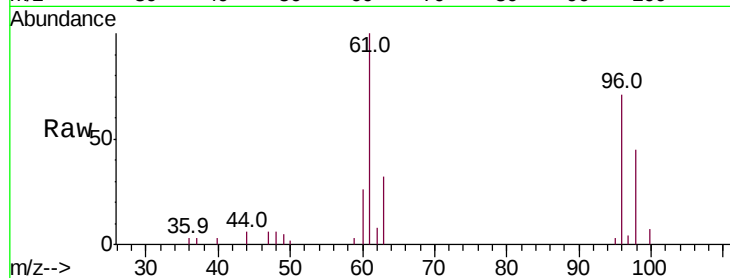
Tot Ion: 96 Resp: 6475

Ion Ratio Lower Upper

96 100

61 141.6 98.3 182.5

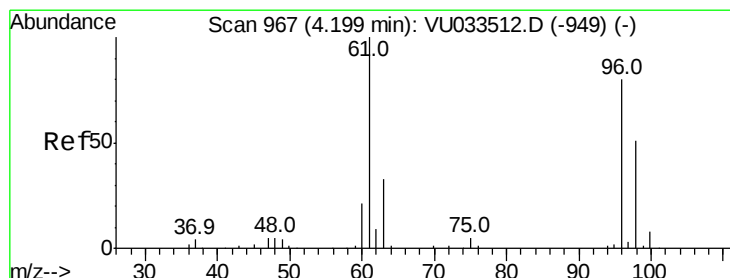
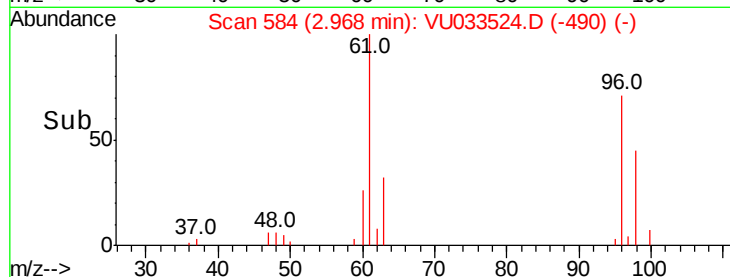
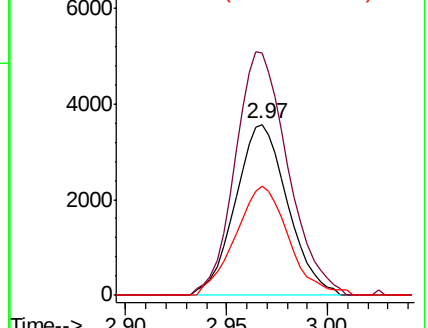
98 63.9 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033512.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033512.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033512.D (-570) (-)



#20

cis-1,2-Dichloroethene

Concen: 2864.242 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

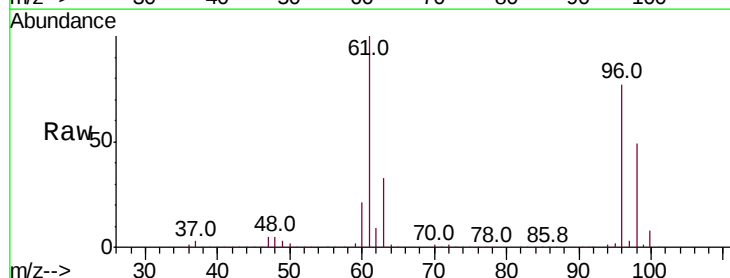
Tgt Ion: 96 Resp: 6677781

Ion Ratio Lower Upper

96 100

61 129.5 91.3 169.6

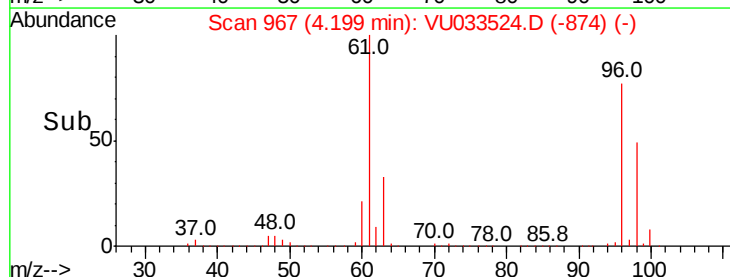
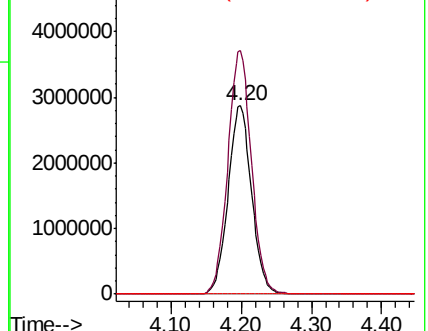
68 0.0 0.0 0.0

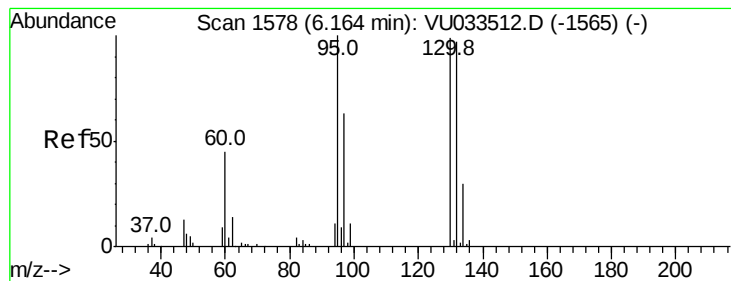


Abundance Ion 96.00 (95.70 to 96.70): VU033512.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033512.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033512.D (-949) (-)





#34

Trichloroethene

Concen: 4224.569 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

Instrument :

MSVOA_U

ClientSampleId :

DB9E4

Tot Ion: 95 Resp: 9675789

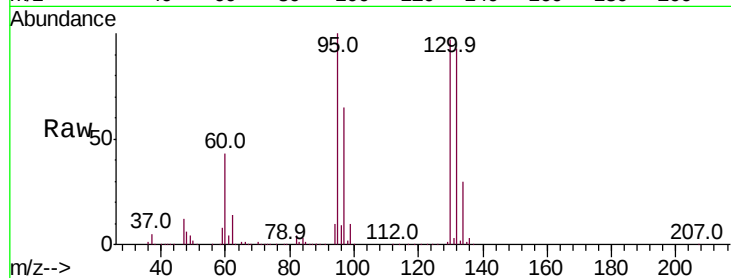
Ion Ratio Lower Upper

95 100

97 64.8 44.7 83.1

132 92.5 66.8 124.0

130 96.6 71.6 133.0



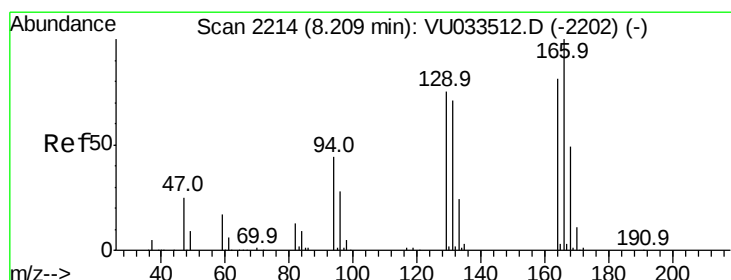
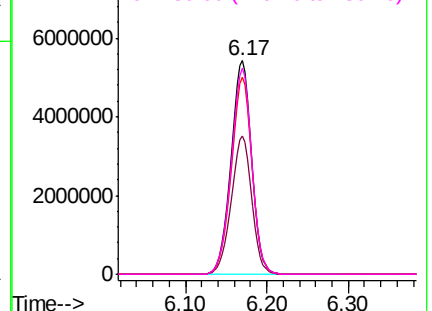
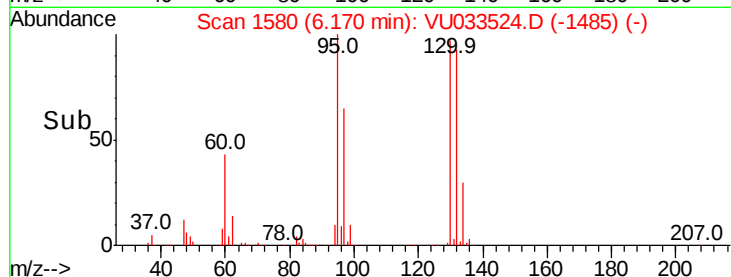
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 0.498 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033524.D

Acq: 31 Jul 2019 14:33

Tgt Ion:164 Resp: 931

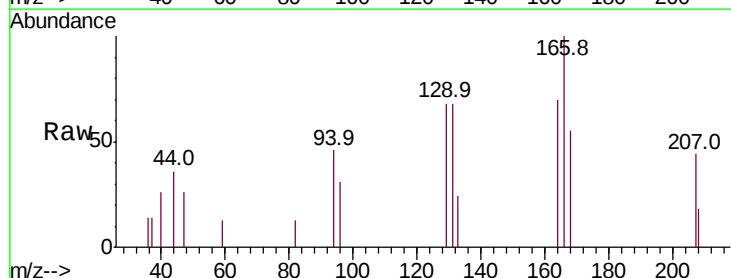
Ion Ratio Lower Upper

164 100

129 96.9 65.5 121.7

131 96.8 63.3 117.7

166 142.0 88.2 163.8



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

